

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/EP 03/04057

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C08K3/22 C08K3/08 C09D5/24		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 C08K C09D		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 309 286 A (POLYPLASTICS CO) 29 March 1989 (1989-03-29) claims 1,4,5; examples 1-10	1-29
Y	US 3 175 991 A (MORRIS LEVINE ET AL) 30 March 1965 (1965-03-30) column 1, line 49 -column 1, line 56; claims 1,9,10; examples 5-10	1-29
X	column 1, line 12 - line 56 column 5, line 16 -column 5, line 60 column 6, line 64 -column 7, line 18	30
Y	US 5 750 249 A (WASOWICZ ANDREW M ET AL) 12 May 1998 (1998-05-12) claims 1,6,7,13-17,20,38	1-29
-/-		
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents : *A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *&* document member of the same patent family		
Date of the actual completion of the international search 28 August 2003		Date of mailing of the international search report 03/09/2003
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer Feldmann, G

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/EP 03/04057

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 328 047 A (EMERSON & CUMING INC) 16 August 1989 (1989-08-16) page 2, line 31 - line 33; claims 1-3,6,9,14,15; example 1 page 3, line 42 -page 3, line 49 ---	1-30
X	US 6 284 817 B1 (BENNINGTON LESTER D ET AL) 4 September 2001 (2001-09-04) column 1, line 9 - line 13; claims 1-21; table 1 column 4, line 40 - line 43 column 5, line 8 - line 31 column 9, line 24 - line 62 column 10, line 5 -column 11, line 7 ---	1-29
X	US 5 855 820 A (CHAN MAN-SHEUNG ET AL) 5 January 1999 (1999-01-05) column 3, line 38 - line 64; claims 1-4,7 column 4, line 25 -column 5, line 19; example 1 -----	1-29

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/04057

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0309286	A	29-03-1989	JP 1085263 A	30-03-1989
			JP 1894754 C	26-12-1994
			JP 6018911 B	16-03-1994
			BR 8805560 A	05-06-1990
			CN 1032447 A , B	19-04-1989
			EP 0309286 A2	29-03-1989
			KR 9104820 B1	13-07-1991
			US 5071593 A	10-12-1991
US 3175991	A	30-03-1965	AT 249826 B	10-10-1966
			FR 1325664 A	03-05-1963
			GB 974897 A	11-11-1964
US 5750249	A	12-05-1998	US 5175056 A	29-12-1992
			AU 8437191 A	31-12-1991
			EP 0532707 A1	24-03-1993
			JP 2886340 B2	26-04-1999
			JP 6500826 T	27-01-1994
			WO 9118740 A1	12-12-1991
			US 5286416 A	15-02-1994
			US 5399432 A	21-03-1995
EP 0328047	A	16-08-1989	US 4896250 A	23-01-1990
			BR 8900640 A	10-10-1989
			EP 0328047 A1	16-08-1989
			JP 2004873 A	09-01-1990
US 6284817	B1	04-09-2001	EP 0892978 A1	27-01-1999
			JP 2001503471 T	13-03-2001
			WO 9835360 A1	13-08-1998
US 5855820	A	05-01-1999	DE 69810743 D1	20-02-2003
			EP 0917155 A1	19-05-1999
			JP 3068067 B2	24-07-2000
			JP 11242912 A	07-09-1999
			TW 442522 B	23-06-2001

PCT/EP 03/04057

INTERNATIONALER RECHERCHENBERICHT

Internationales Aktenzeichen

PCT/EP 03/04057

C.(Fortsetzung) ALS WESENTLICH ANGESEHENE UNTERLAGEN		
Kategorie*	Bezeichnung der Veröffentlichung, soweit erforderlich unter Angabe der in Betracht kommenden Teile	Betr. Anspruch Nr.
X	EP 0 328 047 A (EMERSON & CUMING INC) 16. August 1989 (1989-08-16) Seite 2, Zeile 31 - Zeile 33; Ansprüche 1-3,6,9,14,15; Beispiel 1 Seite 3, Zeile 42 -Seite 3, Zeile 49 ---	1-30
X	US 6 284 817 B1 (BENNINGTON LESTER D ET AL) 4. September 2001 (2001-09-04) Spalte 1, Zeile 9 - Zeile 13; Ansprüche 1-21; Tabelle 1 Spalte 4, Zeile 40 - Zeile 43 Spalte 5, Zeile 8 - Zeile 31 Spalte 9, Zeile 24 - Zeile 62 Spalte 10, Zeile 5 -Spalte 11, Zeile 7 ---	1-29
X	US 5 855 820 A (CHAN MAN-SHEUNG ET AL) 5. Januar 1999 (1999-01-05) Spalte 3, Zeile 38 - Zeile 64; Ansprüche 1-4,7 Spalte 4, Zeile 25 -Spalte 5, Zeile 19; Beispiel 1 -----	1-29

INTERNATIONALER RECHERCHENBERICHT

Angaben zu Veröffentlichungen, die zur selben Patentfamilie gehören

Internationales Abkürzungen

PCT/EP 03/04057

Im Recherchenbericht angeführtes Patentdokument		Datum der Veröffentlichung	Mitglied(er) der Patentfamilie	Datum der Veröffentlichung
EP 0309286	A	29-03-1989	JP 1085263 A	30-03-1989
			JP 1894754 C	26-12-1994
			JP 6018911 B	16-03-1994
			BR 8805560 A	05-06-1990
			CN 1032447 A ,B	19-04-1989
			EP 0309286 A2	29-03-1989
			KR 9104820 B1	13-07-1991
			US 5071593 A	10-12-1991
US 3175991	A	30-03-1965	AT 249826 B	10-10-1966
			FR 1325664 A	03-05-1963
			GB 974897 A	11-11-1964
US 5750249	A	12-05-1998	US 5175056 A	29-12-1992
			AU 8437191 A	31-12-1991
			EP 0532707 A1	24-03-1993
			JP 2886340 B2	26-04-1999
			JP 6500826 T	27-01-1994
			WO 9118740 A1	12-12-1991
			US 5286416 A	15-02-1994
			US 5399432 A	21-03-1995
EP 0328047	A	16-08-1989	US 4896250 A	23-01-1990
			BR 8900640 A	10-10-1989
			EP 0328047 A1	16-08-1989
			JP 2004873 A	09-01-1990
US 6284817	B1	04-09-2001	EP 0892978 A1	27-01-1999
			JP 2001503471 T	13-03-2001
			WO 9835360 A1	13-08-1998
US 5855820	A	05-01-1999	DE 69810743 D1	20-02-2003
			EP 0917155 A1	19-05-1999
			JP 3068067 B2	24-07-2000
			JP 11242912 A	07-09-1999
			TW 442522 B	23-06-2001